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Gasket Sheet

Style

**Flexible Graphite
Plain Homogeneous**

Product Description:

Plain homogeneous graphite Sheets, no reinforcement insert. Made from Flexible Graphite Industrial Grade(99% carbon)

Chemical Compositions of Flexible Graphite

Carbon: 99% Min.; Ash: 0.8% Max; Leachable Chloride: 30ppm Max

Typical Properties

Compressibility (ASTM F-36)	44%
Recovery (ASTM F36)	15%
Creep Relaxation (ASTM F-38)	Less than 5%
Sealability (ASTM F-37)	0.017 fluid ounce/hr (0.5ml/hr)
M Factor:	1.25 (Smooth Flange Surface)
Y Stress:	700 psi (4.7 MPa) (Smooth Flange Surface)

Working Temperature Range:

Oxidizing Environment, such as air: -400° F to 950° F (-240°C to 510°C)

Mild Oxidizing Environment of most gasket applications: -400° F to 1500° F(-240°C to 850° C)

Non-Oxidizing Environment: -400° F to 5400° F (-240°C to 3000° C)

Thermal Conductivity:

Parallel to Sheet Surface:	960 BTU-in/ft ² .h.F (140 W/m.K)
Through Thickness:	36 BTU.in/ ft ² .h.F (5W/m.K)
Coefficient of Friction (Against Steel):	0.018 @ 4 psi (0.03Mpa), 0.157 @ 12 psi (0.08 Mpa)

Applications

Plain Graphite Sheet can be used for flange gasket in relatively low pressure sealing condition. Attributing to good thermal conductivity of graphite, Plain Graphite is an ideal filler material for metal jacketed gaskets (corrugated metal gaskets, heat exchanger gaskets).

Standard Sizes

Thickness: 1/32", 1/16", 1/8" Sheet Size: 39.4" x 39.4"(Meter Size) and 60" x 60"